12235

SOUNDINGS IN FEET

12235

UNITED STATES — EAST COAST

VIRGINIA

CHESAPEAKE BAY
RAPPAHANNOCK RIVER ENTRANCE
PIANKATANK
AND GREAT WICOMICO RIVERS

Mercator Projection
Scale 1:40,000 at Lat. 37°49'
North American Datum of 1983
(World Geodetic System 1984)

SOUNDINGS IN FEET
AT MEAN LOWER LOW WATER

TIDAL INFORMATION

Place Name	Lat.	Long.	Height (meters) above datum of soundings (M.L.W.) Mean Higher High Water	Mean High Water	Mean Low Water	Mean Lower Low Water	Extreme Low Water
Great Wicomico River Light (37°50'N)			1.4	1.3	0.1	0.0	3.0
Cobbs Creek Entrance (37°50'N)			1.5	1.4	0.1	0.0	3.0
Piankatank River (37°30'N)			1.8	1.7	0.1	0.0	3.0

ABBREVIATIONS (For complete list of Symbols and Abbreviations, see Chart No. 1.)

Aids to Navigation (lights not white unless otherwise indicated):
AERO (aeronautical) Al. (alternating) B. (black) Bn. (beacon) C. (can) DIA. (diaphone) E. (to east) (equal interval) (bell) F. (fixed) Fl. (flashing) G. (green) Gd. (gilded) IQ (interrupted quick) Iso. (isophase) LT. HO. (lighthouse) M. (nautical mile) m. (minutes) (MICRO) TR. (microwave tower) Mkr. (marker) Mo. (morse code) R. (red) RACON (radar beacon) Ra. (radio) s. (seconds) SEC. (sector) St. M. (statute miles) VQ (very quick) W. (white) WHIS. (whistle) Y. (yellow)

Bottom characteristics:
Blds. (boulders) Cb. (coral) cbl. (cobble) Co. (coarse) gy. (gray) grs. (grass) h. (hard) M. (mud) Oys. (oysters) Rk. (rock) S. (sand) so. (soft) Sh. (shells) sy. (sticky)

Miscellaneous:
AUTH. (authorized) ED. (existence doubtful) Obstn. (obstruction) PA. (position approximate) PD. (position doubtful) Rep. (reported) Subm. (submerged) Wk. (wreck, rock, obstruction, or shoal swept clear to the depth indicated)

HEIGHTS
Heights in feet above Mean High Water.

AUTHORITIES
Hydrography and topography by the National Ocean Service, Charting and Geodetic Services with additional data from the Corps of Engineers, Geological Survey, and U.S. Coast Guard.

HORIZONTAL DATUM
The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83) and for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 must be corrected an average of 0.475" northward and 1.200" eastward to agree with this chart.

SUPPLEMENTAL INFORMATION
Consult U.S. Coast Pilot 3 for important supplemental information.

CAUTION
Mariners are warned to stay clear of the protective riprap surrounding navigational light structures shown thus:

CAUTION
Improved channels shown by broken lines are subject to shoaling particularly at the edges.

RACING BUOYS
Racing buoys within the limits of this chart are not shown hereon. Information may be obtained from the U.S. Coast Guard District Offices as racing and other privately maintained buoys are not all listed in the U.S. Coast Guard Light List.

CAUTION
FISH TRAP AREAS AND STRUCTURES
Mariners are warned that numerous uncharted duck blinds and fishing structures, some submerged, may exist in the fish trap areas. Such structures are not charted unless known to be permanent.

Regulations to assure clear passage to and through dredged and natural channels and to established landings are prescribed by the Corps of Engineers in the Code of Federal Regulations.

Defined limits of fish trap areas have been reestablished in some areas and those limits are shown thus: ....

Where definite limits have not been prescribed the location of fishing structures is restricted only by the regulations.

NOAA VHF-FM WEATHER BROADCASTS
The National Weather Service stations listed below provide continuous marine weather broadcasts. The range of reception is variable, but for most stations is usually 20 to 40 miles from the antenna site.

Norfolk, Va.	KHB-37	162.55 MHz
Salisbury, Md.	KEC-92	162.475 MHz
Heathsville, Va.	WXM-57	162.40 MHz

CAUTION
Only marine radiobeacons have been calibrated for surface use. Limitations on the use of certain other radio signals as aids to marine navigation can be found in the U.S. Coast Guard Publication 117, and Defense Mapping Agency Publication 117.

Radio direction-finder bearings to commercial broadcasting stations are subject to error and should be used with caution.
Station positions are shown thus:
(QAccurate location) (QApproximate location)

AIDS TO NAVIGATION
Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.

NOTE A
Navigation regulations are published in Chapter 2, U.S. Coast Pilot 3. Additions or revisions to Chapter 2 are published in the Notices to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 5th Coast Guard District in Portsmouth, Virginia, or at the Office of the District Engineer, Corps of Engineers in Norfolk, Virginia.
Refer to charted regulation section numbers.

NOTE B
TRAFFIC SEPARATION SCHEME
Traffic lanes have been recommended for navigating in Chesapeake Bay east of Smith Point Light (see charts 12228, 12220, and 12230).

CAUTION
Temporary changes or defects in aids to navigation are not indicated on this chart. See Notice to Mariners.
During some winter months or when endangered by ice, certain aids to navigation are replaced by other types or removed. For details see U.S. Coast Guard Light List.

WARNING
The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

NOTE C
Rappahannock Dumper's Ground lighted buoys "A", "B", and "C" are not charted due to frequent changes.

RACING BUOYS

RAPPAHANNOCK RIVER BRIDGE
A fixed green light between two fixed red lights marks the center of the span.

Yorktown
Gloucester Point
Hampton Roads
Newport News
Norfolk
Portsmouth
Chesapeake
Suffolk
Smithfield
Isle of Wight
Surry
James River
Jamestown
Williamsburg
Mobjack Bay
Severn River
Piankatank River
Great Wicomico River
Rappahannock River
Urbanna
Middlesex
Saluda
Gloucester
Mathews
Deltaville
Stingray Point
Wolftrap Light
Cape Charles
Cape Henry
Thimble Shoal Light
Old Point Comfort
Hampton
Poquoson
York River
Pamunkey River
Mattaponi River
Tappahannock
Essex
King William
King and Queen
Gloucester
Mathews
Middlesex
Lancaster
Northumberland
Westmoreland
Richmond
Wicomico Church
Reedville
Ingram Bay
Mt. Otto
Bell Neck
Kilmarnock
Irvington
White Stone
Antipoison Neck
Fleets Bay
Windmill Pt
Flag Island
CHESAPEAKE BAY
RAPPAHANNOCK RIVER
CORROTOMAN RIVER
FLEETS BAY

LIGHTS CHART 12233
LIGHTS CHART 12273
CONTINUED ON CHART 12205

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Nautical Chart Catalog No. 1, Panel D

best copy available

CHESAPEAKE BAY

RAPPAHANNOCK RIVER

PIANKATANK RIVER

FLEETS BAY

Kilmarnock

Irvington

WEEMS

White Stone

Windmill Pt

Fleets Island

Bluff Point Neck

Poplar Neck

Antipoison Neck

Cow Neck

GWYNN ISLAND

Barton Pt

Stove Pt

Godfrey Bay

Fishing Bay

Hills Bay

Milford Haven

Milford Haven Spit

Grafton

Hartfield

Amburg

Deltaville

Stingray Pt

Cobbs Creek

Hall Creek

Harcum

Blakes

Rappahannock Spit

RAPPAHANNOCK RIVER BRIDGE
A fixed green light between two fixed red lights marks the center of the span.

CONTINUATION OF PIANKATANK RIVER
Scale 1:40,000

LOGARITHMIC SPEED SCALE

To find SPEED, place one point of dividers on distance run (in any unit) and the other on minutes run. Without changing divider spread, place right point on 60 and left point will then indicate speed in units per hour. Example: with 4.0 nautical miles run in 15 minutes, the speed is 16.0 knots

CAUTION
CHANGES in BUOYAGE
Mariners are advised that authorized aids to navigation are being changed to conform to maritime standards of the International Association of Lighthouse Authorities Maritime Buoyage System, Region B. Significant changes are: black port hand buoys to green; black and white vertically striped buoys to red and white vertically striped buoys; and lateral lights from white to red or green as appropriate. Changes to aids to navigation will be announced in the Defense Mapping Agency Hydrographic/Topographic Center weekly Notice to Mariners and the U.S. Coast Guard Local Notice to Mariners.

RADAR REFLECTORS
Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

POLLUTION REPORTS
Report all spills of oil and hazardous substances to the National Response Center via 800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

LORAN CHART 12233

LORAN CHART 12238

LORAN CHART 12236

CONTINUED ON CHART 12205

2tm Ed Sept. 2/89 ■

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CAUTION
This chart has been corrected from the Notice to Mariners published weekly by the Defense Mapping Agency Hydrographic/Topographic Center and the Local Notice to Mariners (LNM) periodically for each U.S. Coast Guard district to the date shown in the lower left hand corner.

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U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE

This nautical chart has been designed to promote safe navigation. The National Ocean Service encourages users to submit corrections, additions, or comments for improving this chart to the Director, Charting and Geodetic Services (N/CG22), National Ocean Service, NOAA, Rockville, Maryland 20852.

(Rappahannock River Entrance)

SOUNDINGS IN FEET - SCALE 1:40,000

SOUNDINGS IN FEET

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